

AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (Currently Amended) A home appliance ~~which enables~~configured to communication
over a power cable communication therewith, comprising:
 - a body ~~forming that defines~~ an exterior of the home appliance;
 - a main ~~control unit~~controller provided at the body, ~~for making various kinds of~~
~~control~~wherein the main controller controls operation of the home appliance and generates data
corresponding to an operation mode of the home appliance; and
 - a power cable communication modem provided at the body, ~~for transmission/reception~~
~~of various kinds of~~wherein the power cable communication modem transmits the data to/from
the main controller to a remote monitor which monitors the home appliance that displays the
data remotely.
2. (Currently Amended) The home appliance as claimed in claim 1, wherein the power
cable communication modem is connected to signal lines of the main ~~control unit~~controller and
to a power line of the home appliance for transmission/reception of so as to transmit data to/
and receive data from the remote monitor.

3. (Currently Amended) The home appliance as claimed in claim 42, further comprising:
a line connector having the signal lines of the main ~~control unit~~controller and the power line of the home appliance ~~both~~ connected thereto ~~together~~; and
a line connection connector provided at the power cable communication modem ~~for making, wherein the line connection connector detachable receives the line connector so as to connect the power cable communication modem to be connected to the signal lines of the main control unit controller and the power line of the home appliance at a time as the line connection connector is detachably connected to the line connector.~~
4. (Currently Amended) The home appliance as claimed in claim 3, wherein one of the line connector and or the line connection connector are detachably connected to each other in shapes of is formed as a female terminal and the other of the line connector or the line connection connector is formed as a male terminal of a hook type so as to receive the female terminal therein and detachably connect the line connector and the line connection connector.
5. (Currently Amended) The home appliance as claimed in claim 3, further comprising a connector cover ~~for detachable connection~~that is detachably connectable to the line connector ~~when the power cable communication modem is not mounted to the line connector for preventing foreign matters so as to prevent foreign materials from infiltrating into the line connector when the power cable communication modem is not mounted to the line connector.~~

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6. (Currently Amended) The home appliance as claimed in claim 5, wherein the connector cover includes;

a plug portion ~~for being placed~~that is received in the line connector; and

a cover portion formed at a rear of the plug portion for enclosing a circumference of the line connector.

7. (Currently Amended) The home appliance as claimed in claim 6, wherein the plug portion includes;

a hook ~~for detachable engagement with~~that detachably engages a hook slot formed inside of the line connector; and

an end that extends from the hook ~~extended and~~ through a pass through hole formed in the cover portion so as to be exposed to an outside of the cover portion, ~~for enabling handling.~~

8. (Cancelled)

9. (Currently Amended) The home appliance as claimed in claim 4~~2~~, further comprising:

a signal connector connected to the signal lines ~~at~~of the main control unit~~controller~~;

a power connector connected to the power line ~~to~~of the home appliance;

a signal connection connector provided at the power cable communication modem ~~for connection and connected~~ to the signal connector; and

a power source connection connector provided at the power cable communication modem ~~for connection~~ and connected to the power connector.

10. (Currently Amended) The home appliance as claimed in claim 9, wherein the signal connector and the signal connection connector, and the power connector and the power source connection connector are detachably connected to each other, ~~respectively in shapes of female terminals and male terminals of a hook type, one of the signal connector or the signal connection connector being formed as a female terminal and the other of the signal connector or the signal connection connector being formed as a male terminal, and one of the power connector or the power connection connector being formed as a female terminal and the other of the power connector or the power connection connector being formed as a male terminal.~~

11. (Currently Amended) The home appliance as claimed in claim 1, wherein the power cable communication modem is a built-in type modem provided ~~to~~ at an inside of the body.

12-13. (Cancelled)

14. (Currently Amended) The home appliance as claimed in claim 1, wherein the power cable communication modem is ~~of an exterior mounting type to be~~ modem that is exposed to ~~at~~ an outside of the body.

15. (Currently Amended) The home appliance as claimed in claim 14, wherein the power cable communication modem is ~~fixedly secured~~fixed to an outside surface of the body with fastening members.

16. (Currently Amended) The home appliance as claimed in claim 14, wherein one of the power cable communication modem ~~and or~~ the body includes a positioning boss, and the other ~~one of the power cable communication modem and or~~ the body includes a positioning hole ~~opposite-corresponding~~ to the positioning boss for ~~placing-receiving~~ the positioning boss therein.

17. (Currently Amended) The home appliance as claimed in claim 1, further comprising a noise filter in the body ~~for preventing~~that prevents noise ~~of from~~ a power source from ~~transmitting-being transmitted~~ to the main control ~~unit~~controller and the power cable communication modem.

18. (Currently Amended) The home appliance as claimed in claim ~~4~~17, wherein the noise filter has an input terminal connected to an external power line that provides power to the home appliance, and an output terminal connected to the main control ~~unit~~controller and the power cable communication modem.

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19. (Currently Amended) A home appliance ~~which enables~~configured to communicate over
a power cable communication therewith, comprising:

a body ~~forming that defines an~~ exterior of the home appliance;

a main ~~control unit~~controller provided at the body, ~~for making various kinds of~~
~~control~~wherein the main controller generates data corresponding to an operation mode of the
home appliance;

a power cable communication modem provided at the body, ~~for transmission/reception~~
~~of various kinds of~~wherein the power cable communication modem transmits the data to/from
the main controller to a remote monitor which monitors the home appliance that displays the
data remotely;

a line connector connected ~~both to the~~ signal lines of the main ~~control unit~~controller and
~~the to a~~ power line of the home appliance; and

a line connection connector provided at the power cable communication modem ~~for~~
~~making~~, wherein the line connection connector detachably receives the line connector so as to
connect the power cable communication modem to be connected to the signal lines of the main
control unit controller and the power line of the home appliance ~~at a time as the line connection~~
~~connector is detachably connected to the line connector.~~

20. (Currently Amended) A home appliance ~~which enables~~configured to communicate over
a power cable communication therewith, comprising:

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a body ~~forming that defines~~ an exterior of the home appliance;

a main ~~control unit~~controller provided at the body, ~~for making various kinds of control~~wherein the main controller generates data corresponding to an operation mode of the home appliance;

a power cable communication modem provided at the body, ~~for transmission/reception of various kinds of~~wherein the power cable communication modem transmits the data ~~to/from the main controller to a remote monitor which monitors the home appliance~~that displays the data remotely;

a line connector connected ~~both to the signal lines of the main control unit~~controller and ~~the to a power line of the home appliance;~~

a line connection connector provided at the power cable communication modem ~~for making, wherein the line connection connector detachably receives the line connector so as to connect the power cable communication modem to be connected to the signal lines of the main control unit~~controller and the power line of the home appliance ~~at a time as the line connection connector is detachably connected to the line connector; and~~

a connector cover ~~for detachable connection~~detachably connectable to the line connector ~~when the power cable communication modem is not mounted to the line connector for preventing foreign matters so as to prevent foreign materials from infiltrating into the line connector when the power cable communication modem is not mounted to the line connector.~~

21. (Currently Amended) A home appliance ~~which enables~~configured to communicate over
a power cable communication therewith, comprising:

a body ~~forming that defines~~ an exterior of the home appliance;

a main control ~~unit~~controller provided at the body, ~~for making various kinds of~~
~~control~~wherein the main controller generates data corresponding to an operation mode of the
home appliance;

a power cable communication modem provided at the body, ~~for transmission/reception~~
~~of various kinds of~~wherein the power cable communication modem transmits the data to/from
the main controller to a remote monitor which monitors the home appliance that displays the
data remotely;

a signal connector connected to ~~the signal lines at~~of the main control unitcontroller;

a power connector connected to ~~the a~~ a power line to ~~of~~ the home appliance;

a signal connection connector provided at the power cable communication modem for
connection to the signal connector; and

a power source connection connector provided at the power cable communication
modem for connection to the power connector.

22. (Currently Amended) A home appliance ~~which enables~~configured to communicate over
a power cable communication therewith, comprising:

a body ~~forming that defines~~ an exterior of the home appliance;

a main ~~control unit~~controller provided at the body, ~~for making various kinds of control~~wherein the main controller generates data corresponding to an operation state of the home appliance;

a power cable communication modem provided at the body, ~~for transmission/reception of various kinds of~~wherein the power cable communication modem transmits the data to/from the main controller to a remote monitor which monitors the home appliance that displays the data remotely;

a signal connector connected to ~~the~~ signal lines at of the main ~~control unit~~controller;

a power connector connected to ~~the~~ a power line ~~to~~ of the home appliance;

a signal connection connector provided at the power cable communication modem for connection to the signal connector;

a power source connection connector provided at the power cable communication modem for connection to the power connector; and

a connector cover ~~for detachable connection~~detachably connectable to the line connector ~~when the power cable communication modem is not mounted to the line connector for preventing foreign matters so as to prevent foreign materials from infiltrating into the line~~ connector when the power cable communication modem is not mounted to the line connector.